

July 10, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2002, Fourth Quarter Water Monitoring, Genwal Resources, Inc., Crandall Canyon Mine, C/015/032-WQ02-4

- 1. Was data submitted for all of the MRP required sites?** YES [X] NO []
Identify sites not monitored and reason why, if known:

MW-2, MW-6, MW-6A, and MW-8 are described as damaged by mining operations and no longer usable for monitoring.

- 2. On what date does the MRP require a five-year resampling of baseline water data.**
See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling due date

Renewal submittal due 01/13/2003, renewal due 05/13/2003. The last mid-term review commenced on 10/24/2000 and was completed 10/05/2001. Analyses for parameters on the "extended" parameter lists (baseline) in the MRP were performed in 1990, 1995, 2000 and are to be done thereafter at five-year intervals - during low-flow (fourth quarter) - until surety bond is released: the next baseline analyses will be done in 2005.

- 3. Were all required parameters reported for each site?** YES [X] NO []
Comments, including identity of monitoring site:

4. Were irregularities found in the data?

YES [X] NO []

Comments, including identity of monitoring site:

SP2-36: Mg (n = 10) was outside the two standard deviation range;

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []
2nd month, YES [X] NO []
3rd month, YES [X] NO []

Identify sites and months not monitored:

6. Were all required DMR parameters reported?

YES [] NO [X]

Comments, including identity of monitoring site:

UPDES UT0024368-002 for October and November: Oil and Grease were not reported to the Division..

UPDES UT0024368-002 October, November, and December: “floating solids or visible foam” and “sanitary waste discharge assessment” were not reported to the Division.

7. Were irregularities found in the DMR data?

YES [] NO [X]

Comments, including identity of monitoring site:

8. Based on your review, what further actions, if any, do you recommend?

For wells, the Division needs to provide a way for the Permittee to report “dry” so the database download confirms that monitoring was done that quarter instead of coming-up blank.

The Permittee needs to include Oil and Grease, “floating solids or visible foam”, and “sanitary waste discharge assessment” in DMR parameters reported to the Division.